IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) A transceiving unit for wireless communications over the industrial-scientific-medical (ISM) spectrum comprising:

(a) an RF sub-module for transceiving information in a 2.4 to 2.5 GHz band; and,

(b) a DECT baseband processor coupled and adapted to provide time slot and frame timing to the RF sub-module such that at least seventy-five ~~hopping~~ carrier frequencies between 2.4 GHz and 2.4835 GHz and a minimum hop rate of 2.5 hops per second are maintained.

2. (Original) The transceiving unit as recited in claim 1 wherein the baseband processor comprises first and second means for supporting concurrent voice and data communications.

3. (Original) The transceiving unit as recited in claim 1 wherein each time slot comprises a 32-bit preamble for synchronization, a 64 bit A-field for signaling and a B-field ~~comprising~~ 320 bits and 4 bit for CRC.

4. (Original) The transceiving unit as recited in claim 1 wherein the baseband processor provides time slot and frame timing such that the at least seventy-five carrier frequencies are programmed ranging between 2401.122 MHz to 2479.813 MHz and spaced 1.063 MHz apart.

5. (Currently amended) The transceiving unit as recited in claim 4 wherein the baseband processor provides time slot and frame timing such that each of the at least seventy-five ~~channels~~ carrier frequencies supports a ten-millisecond frame.

6. (Original) The transceiving unit as recited in claim 5 wherein the baseband processor provides time slot and frame timing such that each frame comprises sixteen time slots.

7. (Original) The transceiving unit as recited in claim 6 wherein the sixteen time slots preferably change carrier signals after two consecutive frames.

8. (Original) The transceiving unit as recited in claim 7 wherein unequal amounts of time slots are allocated between voice and data communications.

9. (Original) The transceiving unit as recited in claim 7 wherein time slots 1, 2, 3 and 9, 10, 11 are allocated for data communications and time slots 4, 5, 6 and 12, 13, 14 are allocated ~~for~~ voice communications.

10. (Original) The transceiving unit as recited in claim 9 wherein time slot 8 is allocated to program the transmit carrier frequency and slot 16 is allocated to program the receive carrier frequency.

11. (Currently amended) The transceiving unit as recited in claim 9 wherein time slots 1, 2, 3 and 9, 10, 11 allocate 80 bits in ~~the~~ a B field of each time slot to a Forward Error Correction Code (FECC).

12. (Original) The transceiving unit as recited in claim 9 wherein time slots 4, 5, 6 and 12, 13, 14 allocate ~~the~~ an entire B field of each time slot to voice information.

13. (Currently amended) A wireless communications method over the industrial-scientific-medical (ISM) spectrum comprising the steps of:

(a) transceiving information in a 2.4 to 2.5 GHz band; and

(b) adapting a DECT baseband processor to provide time slot and frame timing for step (a) such that at least seventy-five ~~hopping~~ carrier frequencies between 2.4 GHz and 2.4835 GHz and a minimum hop rate of 2.5 hops per second are maintained.

14. (Original) The method as recited in claim 13 wherein step (a) further comprises the step of supporting concurrent voice and data information.

15. (Original) The method as recited in claim 14 wherein the voice and data information are packetized into plural time slots within a time frame and share equal amounts of the time frame.

16. (Currently amended) The method as recited in claim 15 wherein each of the plural time slots has a different one of the ~~plural frequency channels~~ at least seventy-five carrier frequencies.

17. (Currently amended) The method as recited in claim 16 wherein each of the plural time slots changes to a different one of the ~~plural frequency channels~~ at least seventy-five carrier frequencies after a predetermined number of consecutive frames.

18. (Original) The method as recited in claim 16 further comprising the step of providing time slot and frame timing such that seventy-five carrier frequencies are programmed ranging between 2401.122 MHz to 2479.813 MHz and spaced 1.063 MHz apart.

19. (Currently amended) The method as recited in claim 18 further comprising the step of providing time slot and frame timing such that each of the seventy-five ~~channels~~ carrier ~~frequencies~~ supports a ten-millisecond frame.

20. (Currently amended) A system for wireless communications over the industrial-scientific-medical spectrum comprising:

(a) a base station unit having a first transceiving unit;

(b) a cordless personal access device having a second transceiving unit; and,

(c) the first and second transceiving units including:

(i) an RF sub-module for transceiving information in a 2.4 to 2.5 GHz band; and,

(ii) a DECT baseband processor coupled and adapted to provide time slot and frame timing to the RF sub-module such that at least seventy-five ~~hopping~~ carrier frequencies between 2.4 GHz and 2.4835 GHz and a minimum hop rate of 2.5 hops per second are maintained.